# INTERNATIONAL STANDARD

ISO 10472-1

First edition 1997-12-15

# Safety requirements for industrial laundry machinery —

Part 1:

Common requirements

Exigences de sécurité pour les machines de blanchisserie industrielle — Partie 1: Prescriptions communes



## **Contents**

		Page
1	Scope	1
2	Normative references	2
3	Definitions	3
4	Significant hazards connected with most industrial laundry machinery	4
5	Safety requirements and/or measures for the hazards identified in clause 4	5
5.1	Mechanical hazards	5
5.1.1	Escape and rescue of trapped persons	5
5.1.2	Guards and safety devices	5
5.1.3	Fault-finding, cleaning or maintenance	7
5.1.4	Complex installation	7
5.2	Electrical hazards	7
5.3	Thermal hazards	9
5.4	Hazards generated by noise	10
5.5	Hazards associated with materials and substances	10
5.5.1	Contact with or inhalation of harmful fluids, gases, mists, fumes and dusts	10
5.5.2	Fire and explosion	10
5.5.3	Decomposition of substances	11
5.5.4	Biological hazards	11
5.6	Hazards due to neglect of ergonomic principles in machine design	11
5.7	Failure of energy supply and control systems	12
5.7.1	Failure of energy supply	12
5.7.2	Failure of control systems	12
5.8	Hazards arising during maintenance and/or elimination of process faults	12
6	Verification of safety requirements and/or measures	12
7	Information concerning machine use	15
7.1	Instruction handbook	15
7.2	Warning signs	16
Annex	ces	
A	(normative) - Additional specification for fence guards	17
В	(informative) - Layouts of plants	18
С	(informative) - Bibliography	20

#### © ISO 1997

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet central@iso.ch

X.400 c=ch; a=400net; p=iso; o=isocs; s=central

Printed in Switzerland

### **Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 10472-1 was prepared by Technical Committee ISO/TC 72, *Textile machinery and machinery for dry-cleaning and industrial laundering*, Subcommittee SC 5, *Industrial laundry and dry-cleaning machinery*.

ISO 10472 consists of the following parts, under the general title *Safety requirements for industrial laundry machinery*:

- Part 1: Common requirements
- Part 2: Washing machines and washer-extractors
- Part 3: Washing tunnel lines including component machines
- Part 4: Air dryers
- Part 5: Flatwork ironers, feeders and folders
- Part 6: Ironing and fusing presses

Annex A forms an integral part of this part of ISO 10472. Annexes B and C are for information only.